SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

DS-500

Liquid Low-Foam Deburring Compound

AQMD Super Compliant

United Surface Solutions
11901 Burke Street
Santa Fe Springs, CA 90670
USA

Tel: +1-562-693-0202
Fax: +1-562-693-0404
www.deburring.com

Emergency Contact Information:
Chem Tel Inc.
Tel: 1-800-255-3924 (North America)
Tel: +1-813-248-0585 (All other countries)

SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Oral toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Eye corrosive	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days

GHS Hazards

H302	Harmful if swallowed
H316	Causes mild skin irritation
H320	Causes eye irritation

GHS Precautions

P102	Keep out of reach of children
P103	Read label before use
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P315	Get immediate medical advice/attention
P330	Rinse mouth
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P501	Dispose of contents/container based on Local, State and Federal Regulations

Warning

SECTION 3: COMPOSITION INFORMATION ON CLASSIFIED INGREDIENTS

Component/Chemical Name	CAS No.	Weight Concentration %
Diethylene glycol monobutyl ether	112-34-5	1.00% - 5.00%
Triethanolamine	102-71-6	1.00% - 5.00%
Tetrasodium EDTA	64-02-8	1.00% - 5.00%
Tetrapotassium pyrophosphate	7320-34-5	1.00% - 5.00%

The specific identity and exact concentration of any included proprietary ingredient is withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation: If inhalation occurs, move the exposed person to fresh air. Avoid further inhalation and seek medical attention.

Eye Contact: In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. If irritation develops seek medical attention.

Skin Contact: In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. If redness or irritation develops, seek medical attention.

Ingestion: If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Haz Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and other organic compounds will be evolved when the material undergoes combustion.

Fire Fighting Instructions: This material will burn. For fires involving this material, do not enter any enclosed or confined fire space without protective equipment including self-contained breathing apparatus .

Fire Classification: OSHA Classification (29 CFR 1910.1200). Not classified by OSHA as flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do so without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent

materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Follow Local, State and Federal authority's regulations for reporting spills.

SECTION 7: HANDLING AND STORAGE

General Handling Information: Avoid contaminating soil or releasing this product into sewage, drainage system and bodies of water.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Empty containers should be completely drained, properly closed and promptly returned to a drum reconditioner or disposed of properly.

Storage Conditions: Store in dry indoor area, preferably under mild temperature conditions. Store in original packaging. Keep container tightly closed when not in use. Avoid freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethylene glycol monobutyl ether 112-34-5	None reported	10 ppm TWA (inhalable fraction and vapor)	None reported
Triethanolamine 102-71-6	None reported	5 mg/m3 TWA	None reported
Tetrasodium EDTA 64-02-8	None reported	None reported	None reported
Tetrapotassium pyrophosphate 7320-34-5	None reported	None reported	None reported

Engineering Controls: Use in a well ventilated area.

General Considerations: Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Nitrile Rubber, Silver Shield, Viton .

Respiratory Protection: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit. If not, wear an approved respirator that

provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Attention: The data below are typical values and do not constitute a specification .

Appearance: Straw colored

Odor: Mild

Physical State: Liquid

Vapor Pressure: Not determined

Odor Threshold: Unknown

Vapor Density: Not determined

pH: 8.6

Specific Gravity: 1.06

Viscosity: Not established

Freezing Point: Not established

Solubility: Not established

Flash Point: N/A

Boiling Range: Not available

Evaporation Rate: Unknown

Flammability Unknown

Explosive Limits: Unknown

Partition Coefficient (n-octanol/water): Unknown

Autoignition Temperature: Unknown

Decomposition Temperature: Unknown

VOC (Diluted as directed): < 5%, when used at a 10% concentration (All VOCs are CARB Exempt)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition Products: None known (None expected).

SECTION 11: TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity (if applicable)

112-34-5 Diethylene glycol monobutyl ether

Dermal LD50: 2,700 mg/kg (Rabbit)

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
None			No data found

SECTION 12: ECOLOGICAL INFORMATION

Component Ecotoxicity

Diethylene glycol monobutyl ether	96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L 96 Hr EC50 Desmodesmus subspicatus: >100 mg/L
Triethanolamine	96 Hr LC50 Pimephales promelas: 10600 - 13000 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >1000 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 450 - 1000 mg/L [static] 72 Hr EC50 Desmodesmus subspicatus: 216 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 169 mg/L
Tetrasodium EDTA	96 Hr LC50 Lepomis macrochirus: 41 mg/L [static]; 96 Hr LC50 Pimephales promelas: 59.8 mg/L [static] 72 Hr EC50 Desmodesmus subspicatus: 1.01 mg/L
Tetrapotassium pyrophosphate	96 Hr LC50 Oncorhynchus mykiss: >100 mg/L 48 Hr EC50 water flea: >100 mg/L

SECTION 13: DISPOSAL CONSIDERATION

Follow Local, State and Federal regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	NOT REGULATED AS A HAZARDOUS MATERIAL UNDER 49 CFR.			
IATA	NOT REGULATED AS DANGEROUS GOODS			
IMDG	NOT REGULATED AS DANGEROUS GOODS			

SECTION 15: REGULATORY INFORMATION

Regulatory lists searched:

Country	Regulation	All Components Listed
US	California Prop 65	No
CA	Canada DSL	No
US	CERCLA	No
CN	China Inventory (IECSC)	No
EU	EINECS	No
MY	Malaysia Inventory (EHS Register)	No
US	SARA 311/312	No
US	TSCA	No

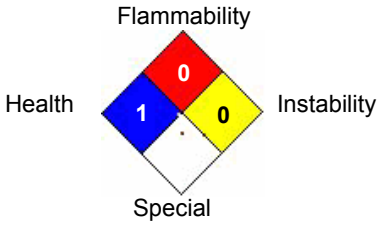
SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



Date Prepared: 5/18/2017

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.